Area of Concern (AOC) No. 1112: Building 6590 Reactor Sump Drywell, TA-V

ADS: 1295
Operable Unit: Septic Tanks and Drainfields

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Site History

Historical SNL/NM Facilities Engineering drawings indicate that this drywell is located approximately 65 feet north of Building 6590 in the southern part of TA-V. Drawings indicate that this unit is a 4-foot square by 4-foot thick gravel-filled drywell that is plumbed to a sump or pit beneath the Sandia Pulse Reactor (SPR), contained within Building 6590.

Constituents of Concern

Constituents of concern for this site are unknown.

Current Hazards

No known surface hazards have been identified. Environmental characterization has not been conducted at the site; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

No above-grade evidence of this drywell was observed when the location of the unit as shown on various engineering drawings was inspected in October 2002. The drywell location indicated on drawings was covered by a thick concrete pad constructed for electrical equipment. A backhoe was not used to locate this unit.

To determine if environmental contamination is present beneath this system and in accordance with agreements reached with NMED personnel, sampling was conducted at this site. As shown

on the site map, a single soil sample boring was drilled approximately 5 feet northeast of the assumed location of the unitn in October 2002. The sample borehole was located as close to the assumed location of the drywell as possible, but was also positioned to avoid the thick concrete pad and buried electrical utilities in the drywell area. Soil samples collected from this boring were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total cyanide, high explosive (HE) compounds, metals, and radionuclides.

Future Work Planned

This site may be selected for deeper environmental characterization sampling if analytical results from the shallow sampling indicate potentially significant contamination at depth.

Waste Volume Estimated/Generated

No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1112 was last updated Jan 23, 2003.